

JEIEN, P.; KITHIEROVA, E.; PALOERKOVA, E.; POKOS, J., H.D.

The morphogenesis of developmental malformations of the central nervous system. Cosk. morf. 12 no.4:430-442 144.

1. Research Institute of Natural Medicine, Konarovice and Department of Fathology, District Institute of National Health Kolin.

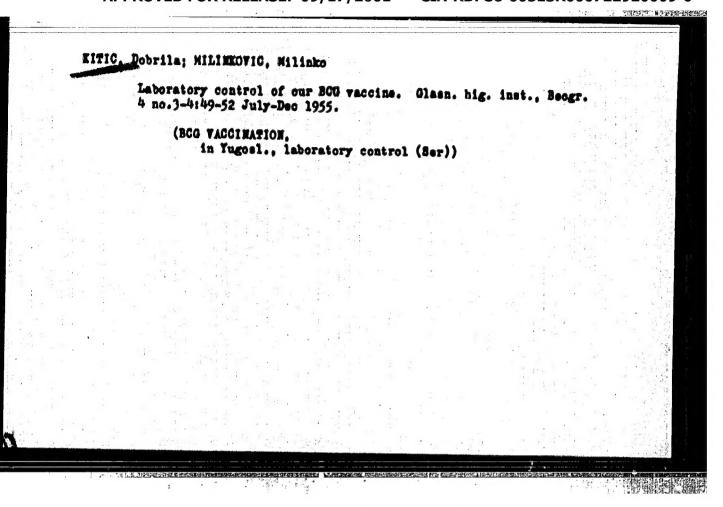
TO SERVICE STREET, SERVICE STR

KAKHNIASHVILI, A.1.; OLOHTI, G.Sh.; BAGKATISHVILI, G.D.; KITIASHVILI, D.G.;
ARKHAZAVA, 1.1.

Structure of the condensation products of o- and m-cresols with some substituted vinyl carbinols in the presence of phosphoric acid. Soob. AN Grus. SSR 36 no.3:565-572 D '64.

(MIRA 18:3)

1. Tbilisakiy gosudarstvennyy universitet. Submitted April 15, 1964.



DOLENKO, G.M. [Dolenko, H.M.]; KITIK, V.I. [Kitok, V.I.]

Some remarks concerning the orgin of oil pools in the Ukraine.

Pretai Inst. geol. kor. kop. AN URSR 451-37 '61. (MIRA 16:7)

(Ukraine—Petroleum geology)

Some problems of kinematic processes of salt tectonics. Pratsi Inst. geol. kor. kop. AM URSR 4:83-111 '61. (MIRA 16:7)

(Salt deposits)

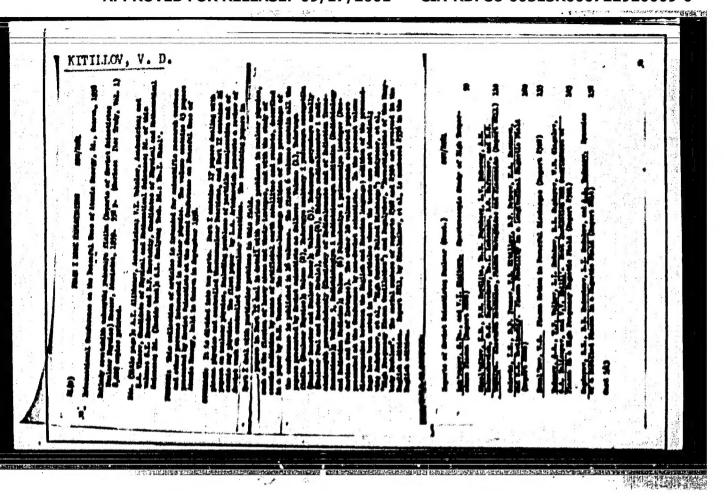
KITIKAR', F. M., Candidate Med Sci (diss) -- "The problem of the effectiveness of hemotherapy in pneumonia of young children". Kishinev, 1959. 14 pp (Min Health Moldavian SSR, Kishinev State Med Inst, Chair of Children's Diseases), 250 copies (KL, No 24, 1959, 150)

# KITIKAR', P.M.; CHERTKOYA, Yo.I.; AYZENBERG, L.M.

Pneumonia in infants; based on data of the First Pediatric Olinical Hospital in Kishinev. Zdravookhranenie 5 no.3:17-19 My-Je '62. (MIRA 16:1)

1. Is kafedry detskikh bolesney (ispolnysyushchiy obyasannosti saveduyushchego - kand.med.nauk P.M.Kitikar') Kishinevskogo meditsinskogo instituta i I Detskoy klinicheskoy bol'nitsy (glavnyy vrach K.S.Lokhvinskays).

(PNEUMONIA) (INFANTS-DISEASES)



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722920009-0"

## KITINSKI, R.

Tests and researches on the prototypes of new devices for serwicing and repairing automobiles. p. IX (MOTORYZAGJA Vol. 12, No. 5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EFAL) 18, Vol. 6, No. 9, Sept. 1957, Uncl.

### "APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722920009-0

\*\*New methods of fortilizing plants\*\* (p.??) PRIFODA
(Bulgarska Akrdeniia Na Naukite) Sofiya Vol 2 No 5 Sept/Oct 1953

So: East European Accessions List Vol 2 No 8 Aug1954

BULGARIA/Boil Boionco. Minoral Fortilizors

J-5

Abs Jour : Ref Zhur - Blol., No 20, 1958, No 91450

Author ! Lovenson E., Kitipov A.
Inst : 3011 Inst. of the AS sulgaric : Experiments with Phosphates. Title

Orig Pub : Izv. Pochv. in-t 3"1g. AN. 1957. 421-446

Abstract : Vegetative experiments have been made on sand and chernozom soil with perennial lupines, winter votch, pens and millet to investigate the pessible utilization of phosphoritos from Wostern Bulgaria.
The results of the experiments and of seil enalyses showed that on chernozem; soil the perennial lupines and the winter voteh will assimilate phospherus from the local Pph, the ability of lupine to assimilate being higher than that of voteh and peas. The speed of growth of the vegetative mass was considerably higher for votch than for lupine.

: 1/2

ATANASOV, An.; DZHIMGOV, Al.; KITIPOV, Ant.; LEVENSON, Byg.; MILCHEY, M.; MIKOLOV, 8.

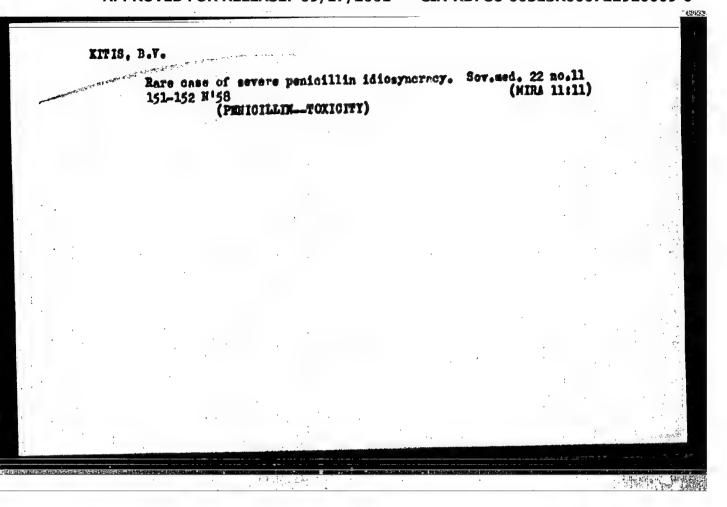
Tests in fertilizing the eroded forest maroon soils. Isv Inst "Mikola Pushkarov" no.5:101-124 '62.

KITIPOVA, I..

Central testing panel in the laboratory of the Stefan Kiradzhiev Thermoelectric-Fower Plant. p. 29.

Spravochnik po tsvetni metali i splavi. Sofiis, Bulgaria. Vol. 10, no. '/, July 1959.

Monthly List of East European Accessions (EFAI), LC, Vol. 9, No. 2, February, 1960, Uncl.



- 1. YE H. KITISTYN, D. F. RUDNEY
- 2. USSK (600)
- 4. Benzene Hexachloride
- 7. New ameliorator for DDT and benzene hexachloride. Dop. AN. URSR no. 1. 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KITITSIN, Ye. N., Cand of Agric Sci -- (diss) "Toxicity of sugar beet sprouts as a method for controlling sugar beet pests." Hoscow, 1957, 16 pp (Moscow Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 37-57, 103)

KITITSYN YE.N.

USSR / General and Special Zoology. Insects.

Abs Jour: Ref. Zhur-Biol., No 4, 1958, 16485

: Kititavn B.N.
Institute of Entomology and Phytopathology of the Academy of Sciences of the Ukrainian Soviet Author Inst

Socialist Republic.

: To the Problem of Increasing the Effectiveness of the Treatment with Hexachlorane of Beet-sugar Seeds prior to Planting. (Kvoprosu o povyshenili effektivnosti predposevnoi obrabotki semyan sak-Title harnoi svekly heksakjloranom).

Orig Pub: Nauch. tr.In-ta entomol, i fitopatol., An UkssR, 1956, 7, 68-82 ( ) 1956, 7, 68-82

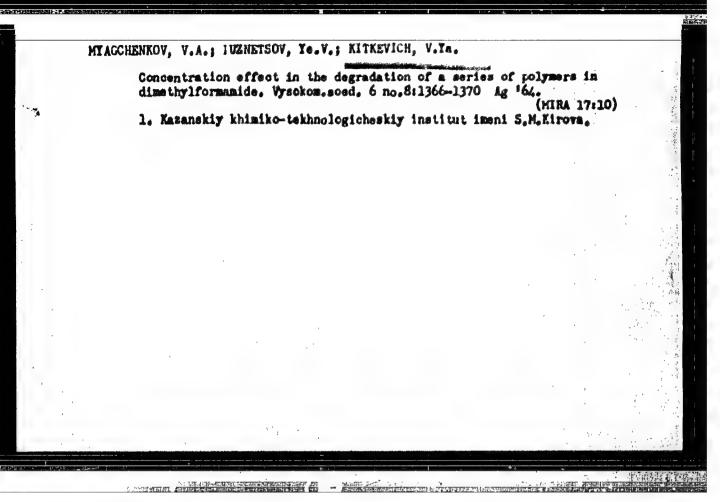
Abstract: The effectiveness of the treatment of beet seeds with HCCH [hexachlorane] depended on the Y-isomer content. The optimum dose of the latter in plot and field experiments was 300 g/centner when

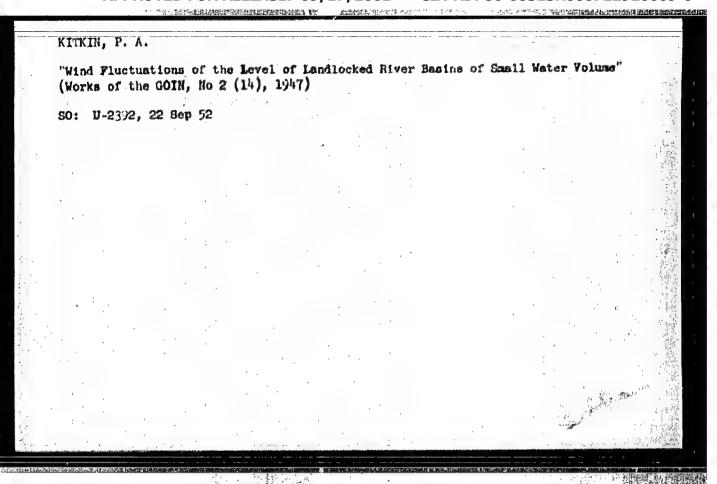
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USSR APPROVED FOR RELEASE: 200/117/20018ect CIA-RDP86-00513R000722920009-0

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16485

Abstract: tion eliminated the harmful effect of HCCH on young sprouts and stimulated the growth and development of the beets.





KITKIN, P. A.

21506

RITKIN, P. A.

Poperechnaya tsirkulyatsiya v vetrovom techonii i trubina peremeshivaniya v ustoychivo atratifitsirovannom more.

Trudy Gos. Okeanorg. in-ta, Vyp. 11, 1949, s. 37 - 42.

Bobliogr: 5, NAZV.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

KITKIN, P. A.

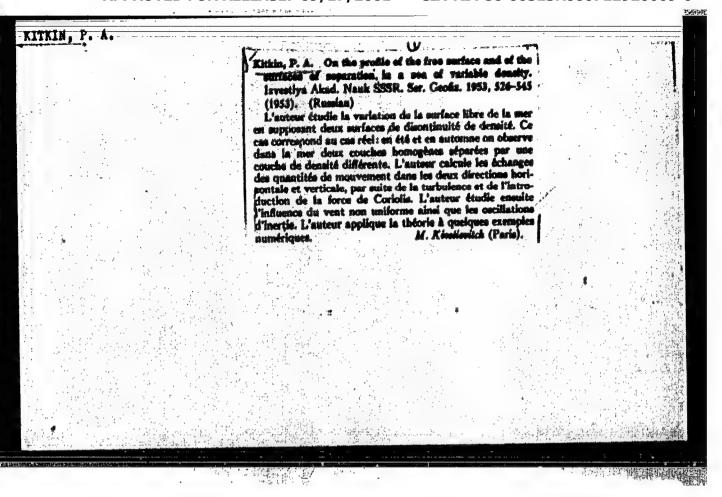
21507

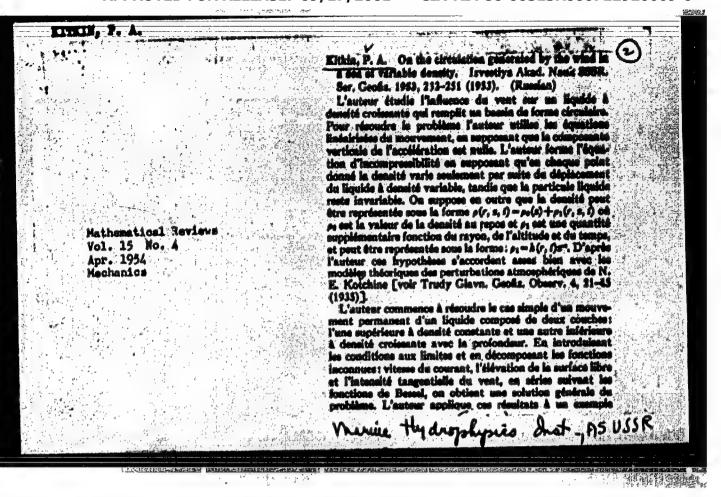
EITKIN, P. A.

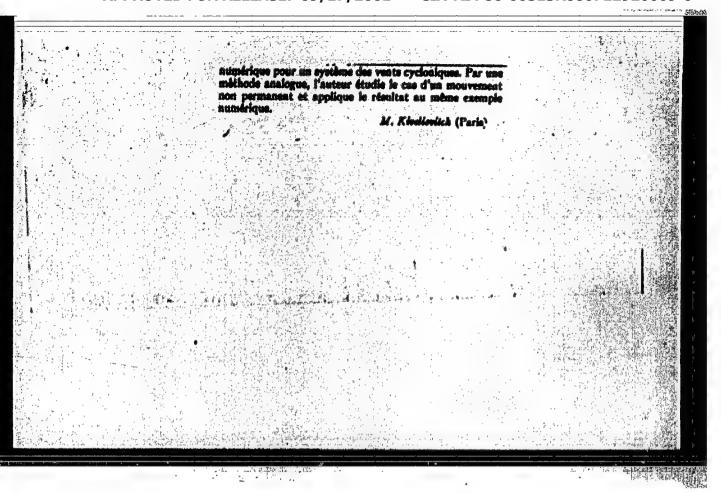
Ustanovivsheyesya vetrovoye techeniye v ustoychivo stratifitsirovannom more.

Trudy Gos. Okeanogr. in—ta, Vyp. 11, 1949, s. 53 - 60.

S0: Letopis' Zhurnal'nykh Statey, No. 29, Hoskva, 1949







KTTKIN. P. A.

Mathematical Review

Vol. 15 No. 4 Apr. 1954

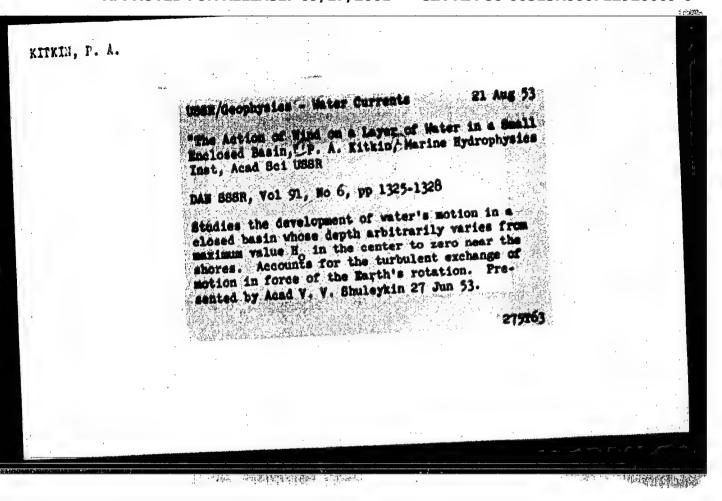
Mechanics

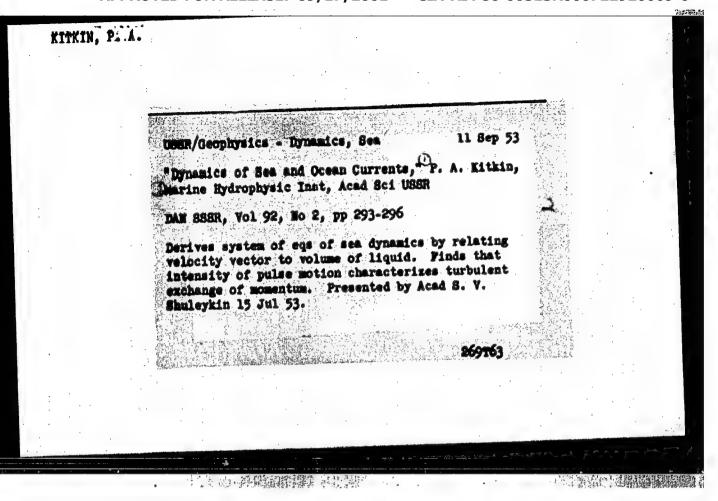
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Kitkin, P. A. Increase of the amplitude of tides in the depths of closed seas. Doklady Akad. Nauk SSSR (N.S.) 91, 237-240 (1953). . (Russian)

L'auteur étudie les particularités du mouvement d'un fluide à densité variable dans un bassin cylindrique tournant sous l'influence d'une force massique radiale (f), qui varie avec le temps suivant une loi harmonique. L'auteur montre qu'il est possible de déterminer les composantes de la vitesse, la pression et la densité, si l'on connaît d'avance  $B = -(1/\rho_0)(d\rho_0/ds)$ , où  $\rho_0(s)$  est la valeur statique de la densité, et s est l'altitude. En posant  $B = rs^2$  on en déduit que l'amplitude des oscillations verticales augmente sous l'influence de la force f dans l'épaisseur de l'eau à densité croissante. On constate, en outre, la formation d'une circulation horizontale, qui compense les grands déplacements verticaux que l'on observe dans les profondeurs intermédiaires.

M. Kiveliovitch (Paris).





KITAIN, S.T.

USSR/Solid State Physics - Diffusion, Sintering, E-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34753

Author: Bokshteyn, S. Z., Gudkovs, T. I., Kitkin, S. T., Moros, L. M.

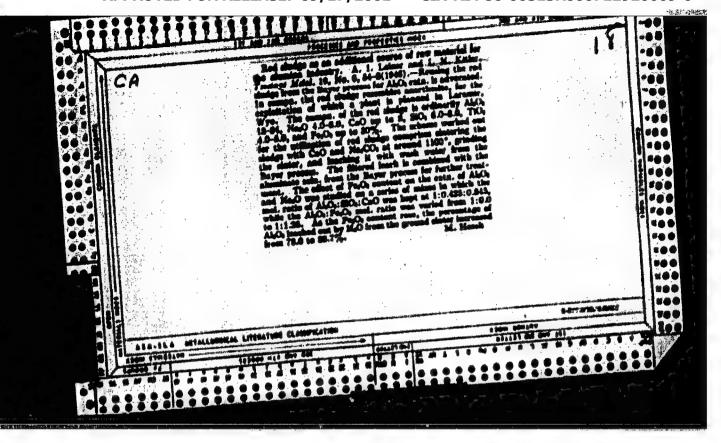
Institution: None

Title: Study of Uniformity of Alloys and Mobility on the Grain Boundaries Using

Radioactive Isotopes

Original Periodical: Zavod. Laboratoriya, 1955, 21, No 4, 423-432

Abstract: Mone



KITKER, I.N.

137-1958-1-133

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 20 (USSR)

AUTHORS: Kitler, I. N., Chizhikov, D. M., Kovyakina, N. A.

TITLE: Pelletizing of Fusion Mixtures of Nepheline as a Method of Pre-

paring Them for Sintering in a Boiling Layer (Granulyatsiya nefelinovykh shikht kak metod podgotovki ikh k spekaniyu v

kipyashchem sloye) 👍

PERIODICAL: Tr. Instituta metallurgii, AN SSSR, 1957, Nr 2, pp 20-36

ABSTRACT: Experiments in pelletizing (P) were run with two mixtures, comprising Uzhur or Kola nepheline concentrates and limestone

of the Pikalevsk quarry. P was performed in equipment consisting of a stationary, flat-bottomed metal bowl, heated from beneath and equipped with a device for mechanical raking of the charge. Results in P without heating showed that in order to obtain pellets of optimum size (1-3 mm), the initial moisture

content of the fusion mixture should be 16.5 percent. An increase in moisture content results in larger lumps. The optimum duration of the P process is 15 min. An increase to 30 min

results in mechanical breakdown to smaller sizes of the pellets initially formed. The same result follows from an increase in

137-1958-1-133

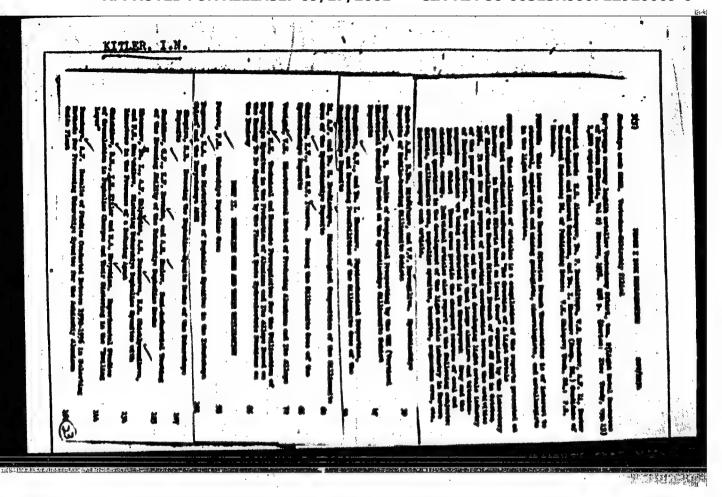
Pelletizing of Fusion Mixtures of Nepheling (cont.)

the stirrer rpm (>45 rpm). The mechanical strength of the airdried pellets also depends upon the degree to which the mixture is moistened on P, the maximum strength corresponding to the optimum moisture level. Heating of the pellets to 500° brings virtually no change in their strength. A considerable increase in the mechanical strength of the pellets occurs at 700-1100°. This is explained by the fact that along with the dissociation of the carbonate, there is a chemical reaction between the components of the mixtures to form compounds such as sodium and calcium aluminates, etc. Experiments in P with heating show that employment of heating and mechanical agitation makes possible P of material having an initial moisture content of up to 40 percent, which is brought down to approximately 10 percent in the process regardless of its initial level.

A. Sh.

1. Sintering 2. Pollets -- Freduction

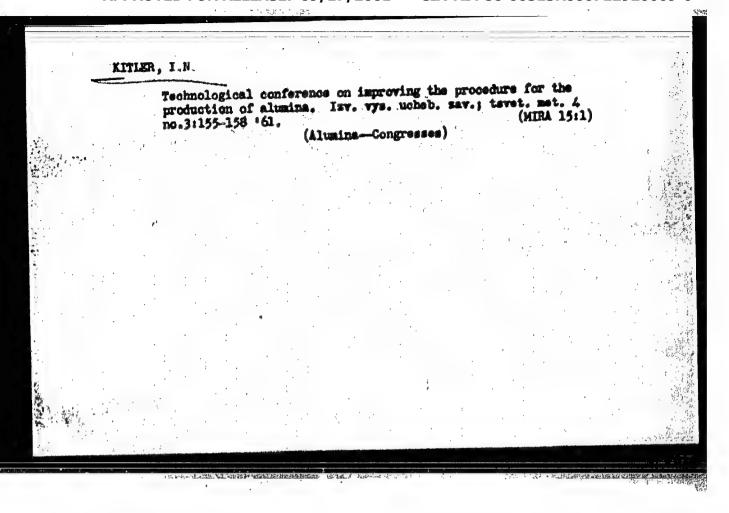
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CHIZHIKOY, D.M., KITIMP. I.M.: KOYYAKINA, M.A.

Experimental studies on the granulation of nepheline burdens and their sintering in a "fluidised bed." Trudy Yost.-Sib. fil. AN SSSR no.13:144-159 '58. (NIRA 12:12)

1. Institut metallurgii im. A.A. Baykova AN SSSR. (Mephelite) (Sintering)



KITLER, Igor' Mikolayavich; LAYNER, Yuriy Abramovich; MALYSHEV,
M.F., kand. tekhn. nauk, retsenzent; BELYAYEV, A.I., red.;
KL'KIND, L.M., red.isd-va; KARASEV, A.I., tekhn. red.

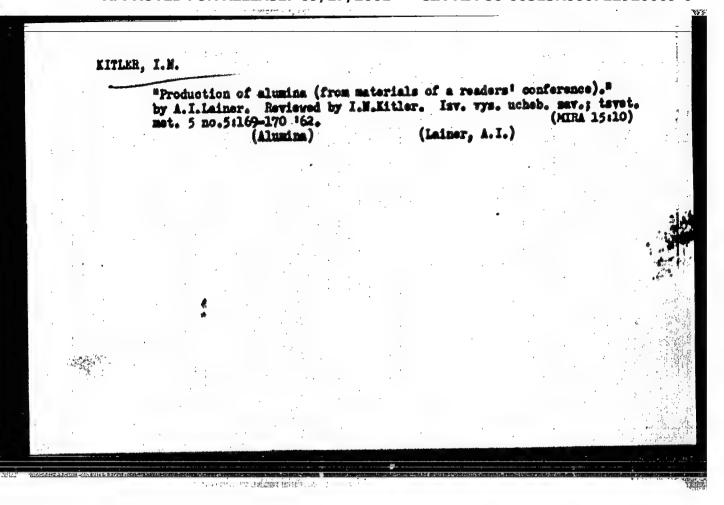
[Nepheline rocks are complex raw materials for the aluminum industry]Nefeliny - kompleksmoe syr'e aliuminievoi promyablemosti. Hoskva, Metallurgizdat, 1962. 236 p. (HIRA 15:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Belyayev). (Repheline)

CHIZHIKOV, David Mikhaylovich; GULYANITSKAYA, Zoya Feodos'yevna;
GUROVICH, Natal'ya Aleksandrovna; KITLER, Igor' Hikolayevich;
KHEYNGAUZ, Bella Pavlovna; NOVOSELOVA, Valentina Hikolayevna;
PLIGINSKAYA, Igubov' Vladimirovna; USTINOVSKIY, Boris
Zinov'yevich; KLIMOV, V.A., red. izd-va; LAUT, V.G., tekhm. red.

[Hydro- and electrometallurgy of sulfide alloys and mattes] Gidroelektrometallurgia sulfidnykh splavov i shteinov. Hoskva, Izd-vo Akad. nauk SSSR, 1962. 204 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk 888R (for Chishikov). (Sulfides--Metallurgy) (Hydrometallurgy) (Electrometallurgy)



CHIZHIKOV, D.M. (Hoskva); KITLER, I.M. (Moskva); SHARKOV, A.I. (Moskva)

Reduction of sodium ferrite by solid carbon. Isv. AM SSSR. Otd.

Reduction of sodium ferrite by solid carbon. Isv. AM SSSR. Otd.

(Sodium ferrate) (Oxidation-reduction reaction)

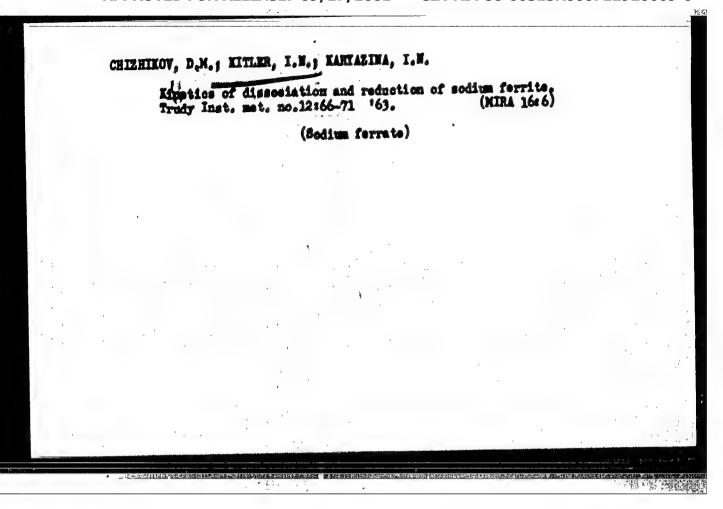
(Sodium ferrate) (Oxidation-reduction reaction)

CHIZHIKOV, D.M.; KITLER, I.W.; LAINER, Yu.A.

Crystallisation of eliminates from solutions with a high caustic relation. Trudy Inst. met. no.12159-65 163.

(MIRA 1616)

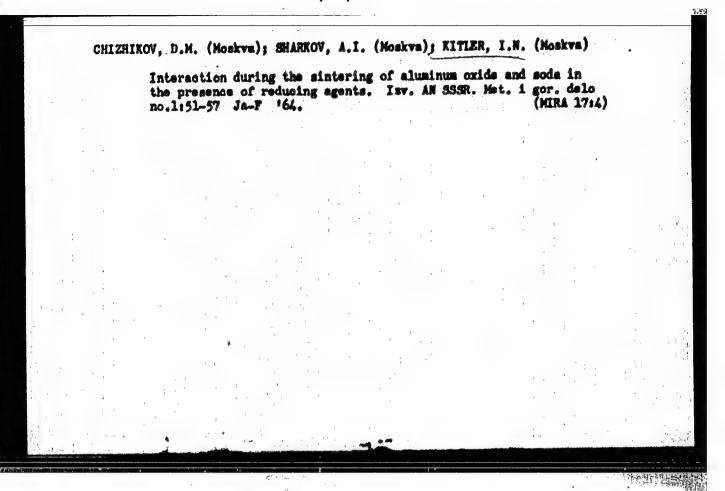
(Aluminates) (Crystallisation)



CHIZHIKOV, D.M.; KITLER, I.N.; SHARKOV, A.I.

Carbonization of alkali during sodium ferrite reduction by carbon monoxide. Dokl. AM SSSR 154 no.4:936-939 F 64. (MIRA 17:3)

1. Institut metallurgii im. A.A. Baykova. 2. Chlen-korrespondent AN SSSR (for Chishikov).



SHARKOV, A.I. (Moskva); KITLER, I.N. (Moskva); BLOKHINA, L.I. (Moskva)

Reduction of sodium oxide by graphite. Isv. AN SSSR. Met. i gor. delo
ne.5179-83 S-0 % 64.

L 8930-66 ENT (1) For (a) / Red (d) / Red (d)

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	· KU WHITE
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ACC NR. AP5026855

The elementary functions &o. &z. B ... have the form

$$A(\omega) = \sum a_1 \omega_1 + \cdots + \sum b_1 \frac{1}{2}.$$

Values of the coefficients in this equation are given in a table. Analysis shows that; starting with T=770 K, at  $P=(1-600)\times10^5$  newtons/ $m^2$ , two virial coefficients; B(T) and C(T) are sufficient to set up the equation of state. The virial coefficients are determined from existing experimental data. For the region of parameters T=770 to 4000 K and  $P=(1-600)\times10^5$  newtons/ $m^2$ , the equation of state was set up in the viri

al form: Pb -+ 4, (2) & + 4, (2) & . (2)

where  $A_1 = Bd_1 + i$ ,  $A_2 = Cd_1^2$ . The coefficients  $A_1$  and  $A_2$  were determined analytically. Results of computer calculations according to Equations 1 and 2 are shown to agree well with existing experimental data. Orig. art. has 2 formulas, 3 figures, and 1 table

SUB CODE: TD, GC/ SUBM DATA: 05Apr65/ ORIG REF: 008/ OTH REF: 012

QQ12

## KITIK, V.I. [Kityk, V.I.]

Outlook for petroleum in Cretaceous sediments of the southeastern RUmck Sem region. Pratsi Inst. geol. kor. kop. AN URSR 2:89-99 160. (MIRA 14:5)

(Black Sea region-Petroleum geology)

### KITIPOV, Q.

Doctor Georgi Konstantinov Khakanov. The 1st surgical operation in Kasanluk - 1875 (On the 110th anniversary of his birthday). Khirurgiia, Sofia 14 no.9:848-852 161.

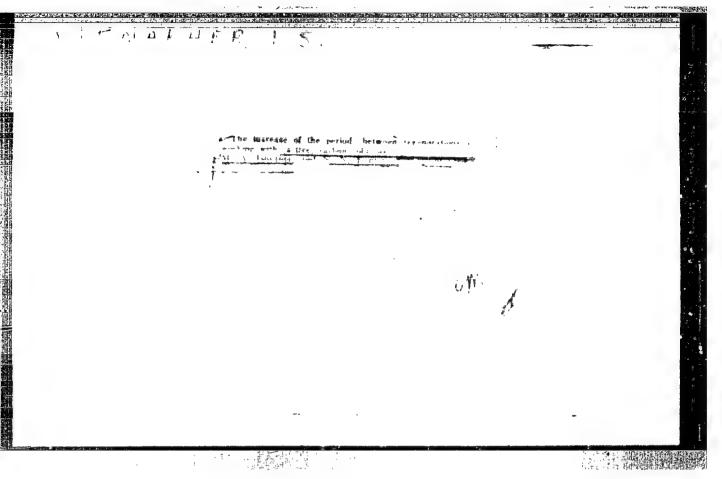
(BIOGRAPHIES) (SURCERI history)

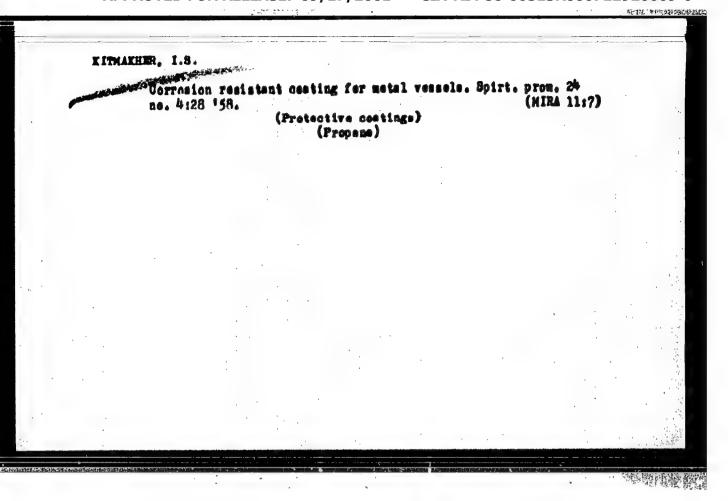
· 1955年 至1月的中央网络新洲军国旗军

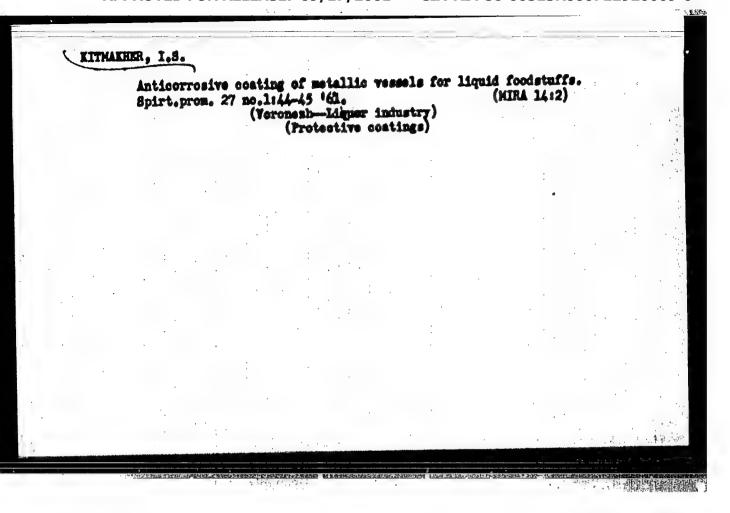
KITIYA, T. D., KORDZAKHIYA, T. P., KUNCHULIYA, V. G., PRUIDZE, T. V., TSULEISKIRI, G. V., PICHKHAYA, T. P., ASATIANI, V. S., AMASAHVILI, A. T., AGEYEVA, A. K., KEKELIDZE, O. V., (USSR).

The Effect of the Mountainous Climate on Biochemical Aspects of Haman Blood.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961.







KITMAR, E.; VLASAK, Z.; WEBERSCHIME, J.

Demonstration of specific antibodies against Treponema pallidum in an animal test. J. hyg. epidem., Praha 5 no.21241-247 161.

1. Institute of Sera and Vaccines, Prague Military Institute of Hygiene, Epidemiology and Microbiology, Prague.

(TREPONEMAL INVECTIONS immunol)

INVENTOR: Golubeva, A. V.; Yeremina, Ye. N.; Sivograkova, K. A.; Besborodko, G. L.; Kitner, I. F.; Shashida, V. F.  ORG: none  TITLE: Preparative method for styrene-acrylonitrile copolymera.  Class 39, No. 183035  SOURCE: Isobreteniya, promyshlennyye obrastsy, tovarnyye snaki, no. 16, 1966, 92  TOPIC TAGS: styrene, acrylonitrile; copolymer, suspension copolymerisa- tion, nitrile rubber, impact resistant material  ABSTRACT: An Author Certificate has been issued for a method for preparing styrene-acrylonitrile copolymers. To impact resistance preparing styrene-acrylonitrile copolymers. To impact resistance to the plasticized product, the monomers are copolymerized in suspension to the plasticized product, the monomers are copolymerized in suspension in the presence of 3—10x mitrile rubber.  SUB CODE: 11/ SUBN DATE: 13Apr62/	L I	16259-66 ENT (a) /T/ENP(1) - 2JP(c) WM/RM/JWD	
TITLE: Preparative method for styrene acrylonitrile copolymers.  Class 39, Mo. 183035  SOURCE: Isobreteniya, promyshlennyye obrastsy, tovarnyye snaki, no. 16, 1966, 92  TOPIC TAGS: styrene, acrylonitrile, copolymer, suspension copolymerisa— tion, nitrile rubber, impact resistant material  ABSTRACT: An Author Certificate has been issued for a method for preparing styrene—acrylonitrile copolymers. To impact resistance to the plasticised product, the monomers are copolymerised in suspension in the presence of 3—10% mitrile rubber.  SUB CODE: 11/ SUBN DATE: 13Apr62/	:	Warrantas, Va. Hat Sivograkova, K. A.;	
SOURCE: Isobreteniya, promyshlennyye obrastsy, tovarnyye znaki, mo. 16, 1966, 92  TOPIC TAGS: styrene, acrylonitrile, copolymer, suspension copolymerisation, nitrile rubber, impact resistant material  ABSTRACT: An Author Certificate has been issued for a method for preparing styrene-acrylonitrile copolymers. To impact resistance preparing styrene-acrylonitrile copolymers. To impact resistance preparing styrene-acrylonitrile copolymers. To impact impact resistance preparing styrene-acrylonitrile copolymers.  A(30)  SUB CODE: 11/ SUBN DATE: 13Apr62/	OR	G: pone	
SOURCE: Isobreteniya, promyshlennyye obrastsy, tovarnyya znaki, 1966, 92  TOPIC TAGS: styrene,acrylonitrile,copolymer, suspension copolymerisation, nitrile rubber, impact resistant material  ABSTRACT: An Author Certificate has been issued for a method for preparing styrene-acrylonitrile copolymers. To impact impact resistance preparing styrene-acrylonitrile copolymers. To impact impact resistance preparing styrene-acrylonitrile copolymers are copolymerized in suspension to the plasticized product, the monomers are copolymerized in suspension in the presence of 3-10% mitrile rubber.  SUB CODE: 11/ SUBH DATE: 13Apr62/	TI CI	LARE 34. NO. 103433 (C	
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ABSTRACT: An Author Certificate has been issued for a method for preparing styrene-acrylonitrile copolymers. To impact impact resistance to the plasticized product, the monomers are copolymerized in suspension in the presence of 3—10% mitrile rubber.  SUB CODE: 11/ SUBN DATE: 13Apr62/	I	ion, nitrile rusuer, impays	15
479.746.22-139	A	ASTRACT: An Author Certificate has been issued for a method for reparting styrene-acrylonitrile copolymers. To impact impact resistant the plasticized product, the monomers are copolymerized in suspension the presence of 3-10% mitrile rubber.	000
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Cord 1/1 mjs UDC; 678.746.22-139			A succession of the succession
	١	Cord 1/1 mjm UDC; 678.746.22-139	

ENT(m)/ENP(1) IJP(c) L 01804-67 ACC NR AP6030604 (AN) SOURCE CODE: UR/0413/66/000/016/0092/0093 INVENTOR: Golubeva, A. V.; Yeremina, Ye. N.; Sivograkova, K. Bezborodko, G. .; Kitner, I. P.; Shishina, V. P. ORG: none TITLE: Method of obtaining shock-resistant plasticized rubber. No. 185058 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966. 92-93 TOPIC TAGS: butadiene styrene rubber, copolymerization, rubber, plasticized ABSTRACT: An Author Certificate has been issued for a method of obtaining a shock-resistant plasticized rabber from a styrene copolymer, acrylnitrile, and butadieneacrylnitrile rubber by means of suspension copolymerization of the proper monomers and rubber. To increase the light stability and heat resistance of plasticized rubber, the process is carried out in the presence of butylacrylate rubber pwhich is taken in amounts of 2-5%. [Translation] 22/1/1 SUB CODE: 11/ SUBM DATE: 13Apr62/ UDC: 678, 746, 22-139

KITORAGA, N.F. (Chessa, D-57, Meditsinskiy per., d.2, kv.19)

Homangioma of the large intestine causing profuse hemorrhage. Vest.khir. no.3:125-126 '62. (MIRA 15:3)

1. Is gospital'noy khirurgicheskoy kliniki (sav. - prof. K.O. Tagibekov) lechebnogo fakul'teta Odesskogo meditsinskogo instituta im. N.I. Pirogova (raktor - prof. I.Ya. Deyneka).

(INTESTINES-TUMORS) (ANGIOMA) (GASTROINTESTINAL HEMORRHAGE)

### "APPROVED FOR RELEASE: 09/17/2001 CIA-RDP8

CIA-RDP86-00513R000722920009-0

March and meeting engagement. Voen. vest. 42 no.31115-119 (KIRA 17:1)

STATE OF THE PARTY OF THE PARTY

NADJAKOV, G. [Hadzhakov, G.], sked.; BALABANOV, J.; KITOV, A.

Influence of the relief of the support on the work support of thin metallic layers. Doklady BAN 17 no.6:545-548 '64

" "AFFER THE PARTY THE PARTY OF "

Kitov, A.I.

TRANSLATION FROM:

Referativniy shurnal, Matematika, 1957; Nr 1, p. 1 (USSR)

AUTHORS:

Sobolev, S.L., Kitov, A.I., Lyapunov, A.A.

TITLE:

The Principal Features of Cybernetics (Ocnovarye cherty kibernetiki)

PERIODICAL:

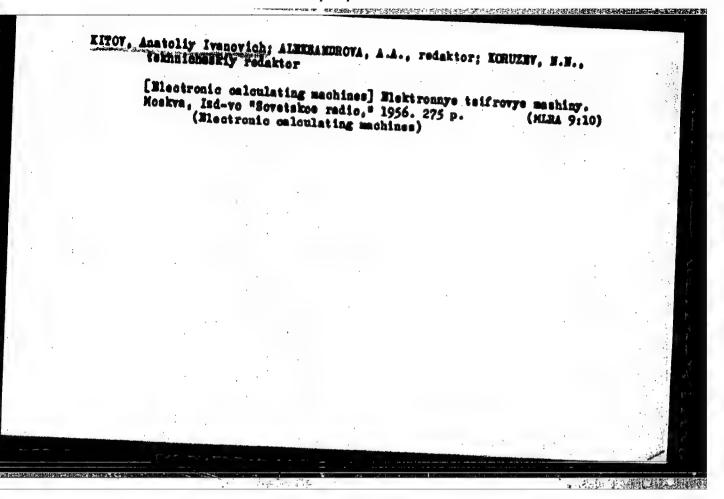
Vopr. Filosofii, 1955, Mr 4, pp 136-148

ABSTRACT:

The article represents the first attempt at a serious study of the scientific content of cybernetics. Cybernetics is defined as a new scientific trend, created by N. Wiener, which is not, however, a sufficiently well-developed and complete scientific discipline. The main divisions of cybernetics, according to the authors, are: (1) information theory; (2) theory of computing machines, as a theory of self-organizing logical processes similar to human thinking; and (3) theory of automatic control systems, which includes the study, from the functional point of view, of the working processes of the nervous system, the sensory organs and other organs of living organisms. Attention is given to the mathematical apparatus of cybernetics, in particular to the study of information, with reference to the work of K. Shannon (collection of translations, "Transmission of Electrical Signals in the Presence of Interference", Moscow, 1953) and A. Ya. Khinchin (Math., 1954, 3771). The necessity of combating foreign reactionary

Card 1/2

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KITOV, A. I., LYAPUNOV, A. A., YABLONSKIY, S. V. and POLETATEV, I. A.

"On Cybernetics," Trudy tret vego Vsesoyusnogo matematicheskogo s vesda
[Proceedings of the Third All-Union Mathematics Congress], Vol. II. Brief outline of survey and sectional papers, Publishing House of the Academy of Sciences USSR, Moscow, 1956, Pages 76 - 77.

TRANSLATION FROM: Referativnyy shurnal, Matematika, 1957, Nr 1, p 2 (USSR)

AUTHOR: Kitov, A. /

TITLE: Technical Cybernetics (Tekhnicheskaya kibernetika)

PERIODICAL: Radio, 1955, Nr 11,pp h2-h4

ABSTRACT: Bibliographic entry

Cand Jech. Sci

Card 1/1

28(2)

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PHASE I BOOK EXPLOITATION

BOV/1915

Kitov, Anatoliy Ivanovich, and Mikolay Andreyevich Krinitskiy

Elektronnyye vychislitel'nyye mashiny (Electronic Computers) Moscow, Isd-vo AN SSSR, 1958. 130 p. (Series: Akademiya mauk SSSR. Nauchnopopulyarnaya seriya) Errata slip inserted. 25,000 copies printed.

Resp. Ed.: A.A. Dorodnitsyn, Academician; Ed. of Publishing House: M.B. Prokof'yeva; Tech. Ed.: T.V. Polyakova

PURPOSE: The book introduces nonspecialized readers to the field of electronic computers,

COVERAGE: The authors discuss the principle of construction and operation of electronic digital computers. They also describe the use of computers in solving various mathematical and logical problems and in automatic control systems. No personalities are mentioned. There are no references.

TABLE OF CONTERTS!

Ch. I. Some Information on Cybernetics Card 1/3

Development of cybernetics Information and signals Measure of the quantity of information Some examples of the application of information theory Transformation of information Self-retulating systems Brief conclusions  Ch. II. Fundamentals of the Construction of Electronic Compute Basic types of computers Electronic analog computers Electronic digital computers In computers Principle of operation of electronic digital computers	3	<b>3</b>
Information and signals  Neasure of the quantity of information  Some examples of the application of information theory  Transformation of information  Self-retulating systems  Brief conclusions  Ch. II. Fundamentals of the Construction of Electronic Compute  Basic types of computers  Electronic analog computers  Electronic digital computers. Representation of numbers  in computers	3	<b>3</b>
Ch. II. Fundamentals of the Construction of Electronic Compute Basic types of computers  Electronic analog computers  Electronic digital computers. Representation of numbers in computers	3	<b>3</b>
Principle of operation of electronic disital committee	4	
Principles of construction of electronic digital computers  Ch. III. Fundamentals of Programming Profedure for solving problems with a computer Checking the accuracy of computations Programming Variable programs. Program checking cycles. Cyclic program	5: 7: 7: 8: 8:	
Card 2/3		No. 2. The same and otherwise Was

28(2)

#### PHASE I BOOK EXPLOITATION

SOV/1821

### Kitov, Anatoliy Ivanovich

Elektronnyye vychislitel'nyye mashiny (Electronic Computers) Moscow, Izd-vo "Znaniye," 1958. 30 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii. Seriya VIII, 1958; vyp. II, Mr. 23) 42,000 copies printed.

Sponsoring Agency: Vsesoyusnoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii.

Ed.: T.P. Islankina; Tech. Ed.: Ye.V. Savchenko.

**建程制。据**2017年

PURPOSE: The book may be useful to technical personnel working with computers.

COVERAGE: The author presents a general discussion of electronic analog and digital computers. He also describes the use of computers in management and for automatic control of industrial processes. No personalities are mentioned. There are no references.

Card 1/2

#### PHASE I BOOK REPLOTATION

BOY/3861

Kitov, Anatoliy Ivanovich, and Rikoley Andreyevich Krinitskiy

Elektronnyye tsifrovyye mashiny i programmirovaniye (Electronic Digital Computers and Programming) Moscow, Firmatgis, 1959. 572 p. 25,000 copies printed.

Ed.: N.M. Goryachaya; Tech. Ed.: 8.5. Gavrilov.

PURPOSE: This book is intended for students of universities and higher technical institutes, and also for people working in various fields of science and industry, who can usefully apply new computational and control technique. The book can also be used as a textbook by potential programmers.

COVERACE: The book discusses the arithmetic, logical, and technical principles underlying electronic digital computers. The book covers in detail the theory and concepts of digital computer programming and gives many examples in the programming of the Soviet computer "Strela." Much information is also given on the programming of the Soviet computers "Ural" and N-3. Although intended as a second edition of the bookklementy programminovaniya by A. Elitov, N.A. Krinitskiy, and P.N. Komolov, published in 1956, addition and revisions make Card 1/10.

BR

### PHASE I BOOK EXPLOITATION

SOV/5875

# Kitov, Anatoliy Ivanovich, and Nikolay Andreyevich Krinitskiy

Elektronyye tsifrovyye mashiny i programmirovaniye (Electronic digital computers and programming) 2d ed., unrev. Moscow, Fizmatgiz, 1961. 572 p. 40,000 copies printed.

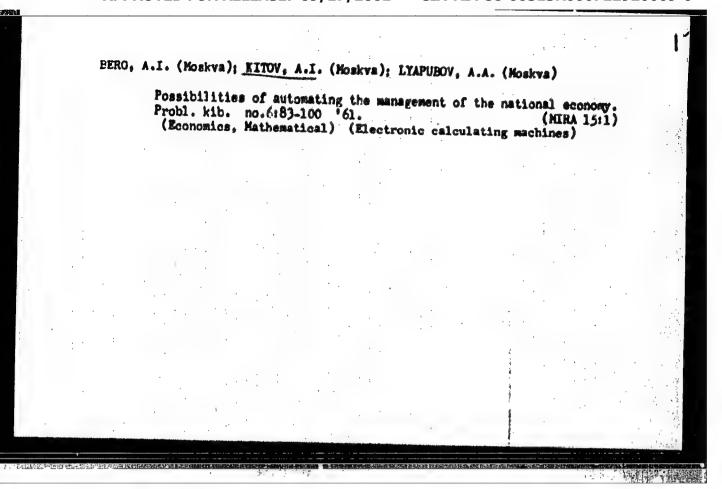
Ed.: M. M. Goryachaya; Tech. Ed.: S. S. Gavrilov.

PURPOSE: The book is approved by the Ministry of Higher and Secondary Specialized Education RSFSR for textbook use by students at universities and schools of higher education. It is also intended for personnel in scientific and industrial fields in which the new computing and control techniques are being put into use, and may serve as a textbook in training programmer cadres.

COVERAGE: The arithmetical, logical, and technical fundamentals underlying the construction of high-speed computers are described, and modern programmer training methods are presented in detail and copiously illustrated Card 1/

Electronic Digital Computers: (6971)/2001 CIA-RDP86-0051380006822920009-0

with examples of programming for the Soviet "Strela" computer. The special features of programming for the Soviet "Ural" and "M -3" computers are discussed extensively, and programming examples are given for these machines. In addition, some information and programming examples are given for the "BESM" computer. The book is based partly on materials drawn from A. I. Kotov's book Electronic Digital Computers (Sovetskoye radio, 1956), and on other Soviet and non-Soviet contemporary sources. The introduction, Cha. II through IV, and Ch. XI were written by A. I. Kitov, while Ch. I. and Chs. V. through X are the work of N. A. Krinitskiy. The authors thank Academician S. L. Sobolev and all the personnel of the Department of Computer Mathematics of the Moscow State University imeni Lomonosov; and V. D. Rozenknop, Yu. I. Yanov, V. B. Orlov, and M. M. Goryachaya for their help. There are 46 references: 39 Soviet, 6 English, and 1 German.



8/044/62/000/005/055/072 C111/0444

AUTHORS:

Lyapunov, A. A., Kitov. A. I.

TITLE:

Cybernetic in technics and economics

PERIODICAL:

Referativnyy shurnal, Matematika, no. 5, 1962, 55-56, abstract 5V300. ("Vopr. filosofii," 1961, no. 9, 79-88,

185)

TEXT: One points to two domains of application of the cybernetic in technics: the automation of controlling machines and of their complemes the carrying-out of complicated calculations and modellings of dynamic and logical systems and processes. The significance of bionic is explained. Two types of economic problems are mentioned for the solution of which electronic computing machines can be used: the developing of models of economic systems and the solution of planing economic problems of optimization. At last one discusses the question of a uniform system of public computing centres and the problem of a rational use of the electronic technic of computing.

Abstracter's note: Complete translation.

Card 1/1

KITOV A.I.

BERG, A.I., glav. red.; TRAPEZZIKOV, V.A., glav. red.; BERECVICH, D.K.,

zaml glav. red.; LEIGER, A.Ia., doktor tokhm. nauk, prof.,

sam. glav. red.; AVEN, O.I., red.; AGEYKIN; D.I., red.; kand.

tekhm. nauk, dots., red.; AZERWAN, M.A., red.; VENIKOV, V.A.,

doktor tekhm. nauk, prof., red.; VORONOV, A.A., doktor tekhm.

nauk, prof., red.; GAVRILOV, M.A., doktor tokhm. nauk, prof.,

red.; ZERNOV, D.V., red.; IL'IN, V.A., doktor tekhm. nauk,

prof., red.; KITOV, A.I., kand. tekhm. nauk, red.; KOGAN, B.YA.,

doktor tekhm. nauk, red.; KOSTOUSOV, A.I., red.; KRIHITSKIY.

N.A., kand. fiz.-mat. nauk red.; LEVIN, G.A., prof. red.;

LOZINSKIY, M.G., doktor tekhm. nauk, red.; INSSIYEVSKIY, V.I.,

red.; MAKSAREV, Yu.Ye., red.; MASLOV.A.A., dots., red.; POPKOV, A.A., red.;

RAKOVSKIY, M.Ye., red.; AOZEMBERG, L.D., doktor tekhm.nauk,

prof., red.; SOTSKOV, B.S., red.; TIMOPEYEV, P.V., red.;

USIAKOV, V.B., doktor tekhm. nauk, red.; FEL'LBAUM, A.A.,

doktor tekhm. nauk, prof., red.; FROLOV, V.S., red.;

KHARKEVICH, A.A., red.; KHRAMOV, A.V., kand. tekhm. nauk, red.;

TEXPKIN, Ya.Z., doktor tekhm. nauk, prof., red.; CHENYUSTKIN,

A.B., kand. tekhm. nauk, red.; SHREYDER, Yu.A., kand. fiz.
mat. nauk, dots., red.; BOCHAROVA, M.D., kand. tekhm.nauk,

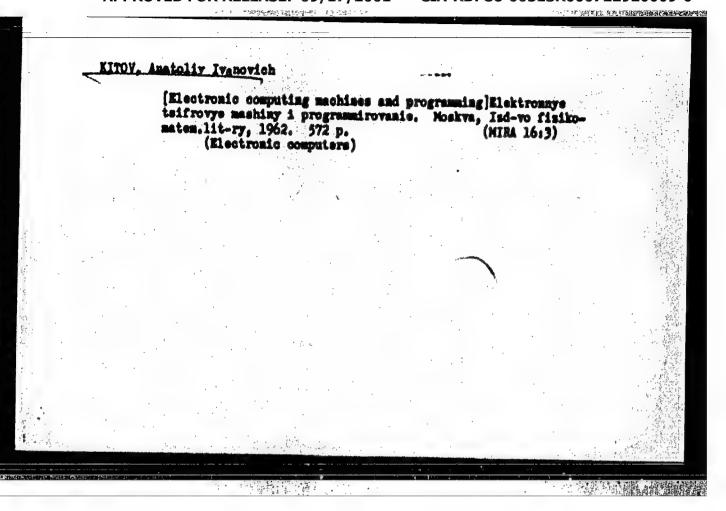
starshiy nauchmyy red.; DELONE, N.N., inzh., nauchmyy red.;

BARANOV, V.I., nauchmyy red.; PAVLOVA, T.I., tekhm. red.

(Continued on next card)

BERG, A.I. (continued). Card 2. [Industrial electronics and automation of production processes] Avtomatisatsiia proisvodstva i promyshlemmaia elektronika. Glav. red. A.I.Berg i V.A.Trapesnikov. Moskva, Gos.nauchm. isd-vo "Sovetskaia Entsiklopediia." Vol.1. A = I. 1962. 524 p. (HIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Sotskov, Kharkovich, Zernov, Timofeyev, Popkov).
(Automatic control) (Elect (Electronic control)



# Electronic computers, by A.I. Kitev and M.A. Krimitskiy. New York, Macmillan, 1962. 112 p. illus. tables (InternationalSeries of Monographs on Electronics and Istrumentation, v. 13) A Pergamon Press Book Translated from the original Russians Elektronics vychialitel'nys mashiny. Nescov, 1958.

KLYAMKO, E.I.; KITOV, A.I., red.; KUKOLEVA, T.V., red.; GUTCHINA, H.Ya., red.; BELYAYEVA, V.V., tekhn. red.

[Network and test control in automatic digital computers]
Skhemnyi i testovyi kontrol' avtomaticheskikh tsifrovykh vychislitel'nykh mashin. Hoskva, "Sovetskoe radio," 1963. 191 p.
(MIRA 16:12)

(Electronic digital computers)

HERG, A.I., glav. rod.; TRAPEZNIKOV, V.A., glav. rod.; TSYPKIN, Ya. 2., doktor tekhn.nauk, prof., red.; VORONOV, A.A., doktor tekhn.nauk, prof., red.; SOTSKOV, B.S., doktor tekhn.nauk, red.; AGEYKIN, D.I., doktor tekhn. nauk, red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn.nauk, prof., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PRCKOFIYEV, V.N., doktor tekhn.nauk, prof., red.: IL'IN, V.A., doktor tekhn.nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KHINITSKIY, H.A., kand. fiz.-matem.nauk, red.; KOGAN, B. Ya., doktor tekhr.nauk, red.; USHAKOV, V.B., doktor tekhn.nauk, red.; LEWER, Yu.A., doktor tekhn. nauk, prof., red.; FEL DBAUM, A.A., prof., doktor tekhn.nauk, red.; SHREYDER, Yu. A., kand. fiz.-mat. nauk, dots., red.; KILRKEVICH, A. A., akad., red.; TIMOFEYEV, P. V., red.; KASLOV, A. A., dots., red.; LEVIN, G. A., prof., red.; LOZINSKIY, M. G., doktor tekhn. nauk, red.; HETUSHIL, A.V., doktor tekhn.nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn.nauk, prof., red.; LIVSHITS, A.L., kand. tckhn.nauk, red. [Automation of production and industrial electronics] Avtomatizatsiia proisvodstva i promyshlennaia elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaia Entsiklopediia. Vol.3. Pogreshnout' resheniia - Teleizzeritel'naia sistema chastotnaia. 1964. 487 p. (MIRA 17:10) J. +Chlen-korrespondent AN SSSR (for Sotskov, Cavrilov, Timofeyev Forkov).

TEPIMOVA, Margarita Nikolayevne; KITOV, A.I., rei.; IXUBIMOVA,
T.M., red.

[Algorithmic languages; surv y of foreign papers] Algorithmicheakle languages; surv y of foreign pape

KITOV, Anatoliy Ivanovich; KRIMITEKIY, Nikolay Andreye ich;
DORODNITSYN, A.A., ekademi)

[Electronic computers] Elektromye vychislitel'nye mashiny. Isd.2., perer. i dop. Moskva, Mauka, 1965. 174 p.

(MIRA 18:6)

HERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV A.A., prof., red.; AGEYKIN, D.I., doktor tekhn.nauk red.; GAYRILOV, H.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV. A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fis. mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKUV, V.B., doktor tekhn. nauk, red.; LERNER, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [decemsed]; TINOFETEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.P., insh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.F. [Blunn, O.H.], red.; EROYDA, V., inzh., prof., red.; BREKKL', L [ brockl, L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA, M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics]
Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopedila sovremennoi tekhniki. Moskva, Sovetskaia entsiklopediia.
Vol.4. 1965. 543 p.

KOMAROV, S.G.; KITOV, A.F., insh.; DOROFETEV, V.G.; SHERRIGHT YEV, M.A.; TOHIH, A.A.; KOSAREV, A.A.; SARAFISET, Tu.S., red.; VERINA, G.P., tekhn.red.

> [Handbook for the repair of passenger cars] Spravochnik po remontu passashirakikh vagonov. Moskva, Vass.isdateliakopoligr.ob\*edinenie N-va putei soobshoheniis, 1960. 631 p. (NIRA 13:6)

(Railroads--Passenger care--Mainte: ance and repair)

DOROFEYEV, V.G.; KITOV. A.N.; KRAVCHENKO, A.A., insh., retsensent; BRAYLOVSKIY, N.G., insh., red.; KHITROVA, N.A., tekhn.red.

[Servicing of passenger cars] Ekipirovka passashirakikh vagonov. Hoskva, Isd-vo "Transport," 1964. 135 p. (MIRA 17:3)

KITOV, D.; MODEY, A.; MANDULOVA, E.

Diagnostic importance of pain-inducing methods in patients with sciation. Suvr. med. 16 no.6:352-355 165.

1. Katedra po nervni bolesti i nevrokhirurgila (rukovoditel - prof. Tr. Zaprianov), Vissh meditsinski institut, Plovdiv.

KITOV, D.

Migrating lumbal disk hernia. Folia med. (Plovdiv) 7 no.3: 221-225 '65.

1. Institut de Hautes Etudes Medicales "I.P. Pavlov", Plovdiv, Bulgarie, Chaire des Maladies Nerveuses et de Neurochirurgie (Directeur: prof. T. Zaprjanov).

# KITOV, D.

Primary tumors of bones of the skull and spinal column with involvement of the nervous system. Khirurgiia, Sofia 14 no.2/3:307-310 161.

1. Katedra po nervni bolesti i nevrokhirurgila pri Vissh meditsinski institut "I. P. Pavlov", Plovdiv.

(SKULL neop1) (SPINE neop1) NEUROLOGICAL MANIFESTATIONS)

# KITOV,D.; NAMITCHEV, T. [Namiohev, I.]

Giant spiral meningioms of the spinal cord. Folia med. Ploy-div) 6 no.2:128-132 '64

l. Institut de Hautes Etudes Medicales "I.P.Pavlov" de Plovdiv, Bulgarie; Chaire des Maladies Nerveuses et de Neurochirurgie. (Directeurs prof. Tr. Zapryanov [Tr. Zaprianov]).

## Oncology

**BULGARIA** 

ZAPRYANOV, T., Prof. Director, and KITOV, D., Chair of New-rological Diseases and Neurosurgery, Higher Medical Institute (Katedra po nervni bolesti i nevrokhirurgii, VMI), Plovdiv

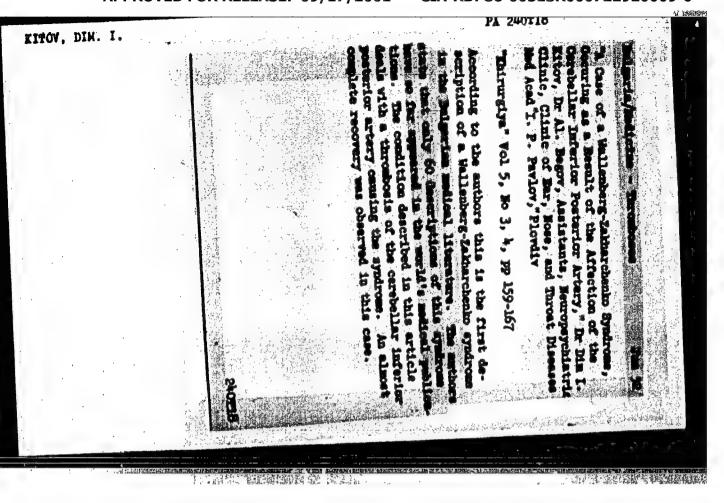
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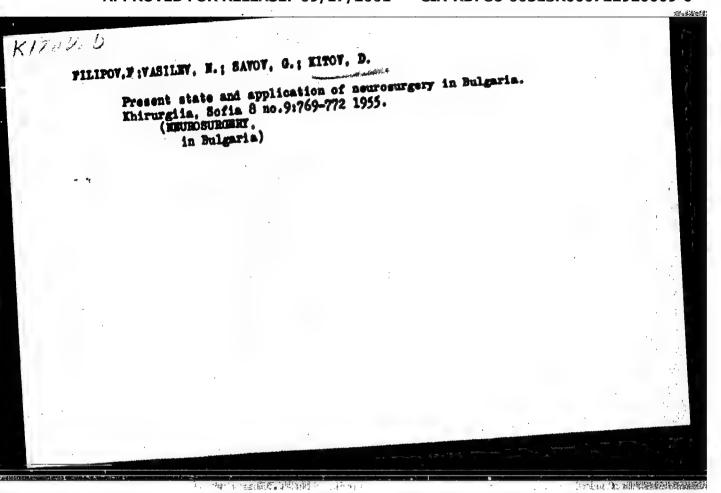
"Spinal Cord Angiomata"

Sofia, Novrologiya, Psikhintriya i Nevrokhirurgiya, Vol 5, No 3, 1966, pp 161-165.

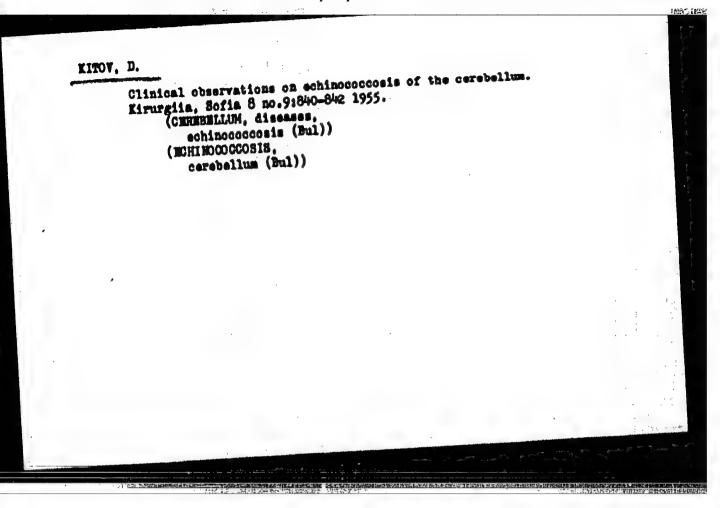
Abstract [Authors' Russian and English summaries, modified]:
The article describes two cases of epidural and one case of subdural angiona in 70 patients treated surgically for spinal tumors. The rarity of this condition is pointed out: In two patients the tumor had lumbar localisation and in one thoracic. In one patient the disease had an acute course; in the other two a gradual one with phases of remission (to the degree of full recovery). The three patients had radicular largely dissociated symptoms. The clinical and laboratory

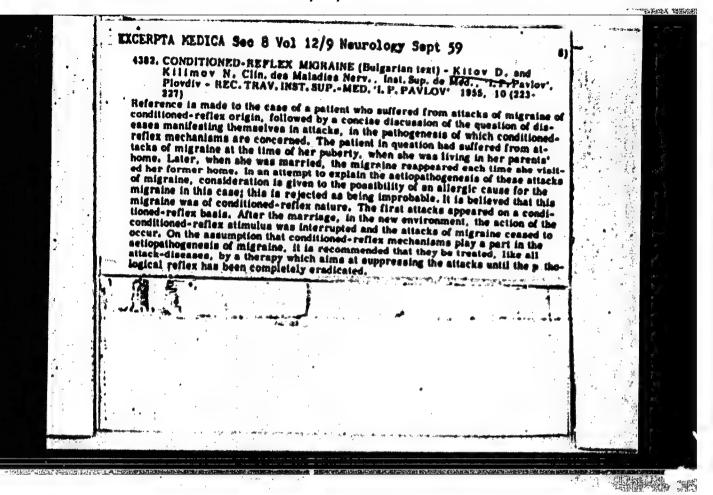
1/2 1/1

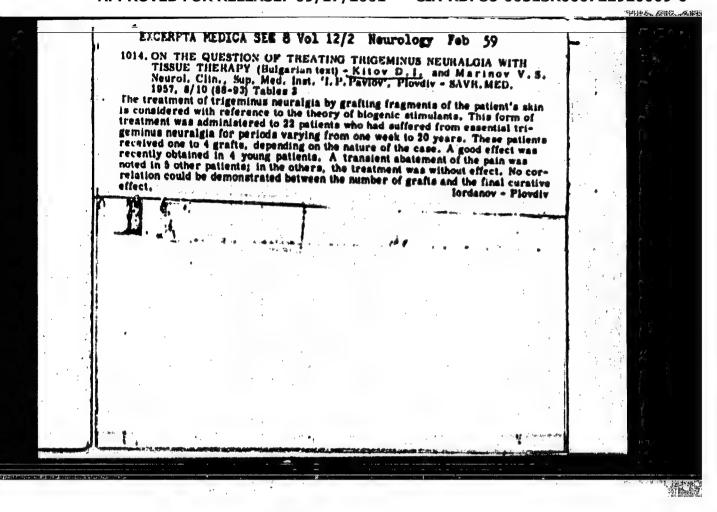




APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722920009-0"







# KITOV, D.; MARINOV, P.

Treatment of ischialgia by high infiltrations with procaine penicillin. Suvrem. med., Sofia 9 no.9:55-61 1958.

1. Is Klinikata po nervni bolesti pro VMI I. P. Pavlov-Plovdiv (Eav. katedrata: prof. Tr. Zaprianov).

(RACKACHE, there

procaine penicillin high infiltrations in low back pain

(Bul))

(PENICILLIE, related opds. procaine penicillin high infiltrations in ther. of low back pain (Bul))

CIA-RDP86-00513R000722920009-0" APPROVED FOR RELEASE: 09/17/2001

# KITOY D

Diagnosis of intervertebral disk protrusion in lumboischialgia by means of a peridural test. Surrem. med., Sofia 9 no.6:48-56 1958.

1. In Katedrata po narvii bolesti pri VMI I. P. Pavlov -Plovdiv (Zav. Katedrata: prof. T. Zaprianov).

(INTERVERTERAL DISK DISPIACEMENT, compl. sciation, diag., peridural test, technic (Bul))
(SCIATICA, eticl. & pathogen.
intervertebral disk displacement, diag., peridural. test,

technic (Bul))

CIA-RDP86-00513R000722920009-0" APPROVED FOR RELEASE: 09/17/2001

Factory credit union. Sov. profsoiusy 7 no.13:55 Jl '59.

(MIRA 12:10)

1. Predsedatel' pravleniya kassy vsaimopomoshohi Gor'kovekogo avtosavoda.

(Gorkiy-Mutual benefit associations)

```
ORIGOR'THY, V. (Rostovskays obl.); LENGIGEMIO, P. (L'vovskays obl.);
TARUEM', M. (Moskovskays obl.); KIROV, P. (Rhar'kovskays obl.);
KOMENV, V. (Nytishohinskiy radiodsel); EMPTABOVSKIY, B. (Pavlovo-Posadskiy radiousel).

Our complaints against the radio industry. Radio no.9:9 8 '5b. (KIRA 7:9)

1. Haohal'niki DRFS (for Grigor'yev. Lesnichenko, Yakuben'. Entov)
2. Machal'niki radiouslov Yoskovskoy oblasti (for Kornev & Bratanovskiy) (Radio industry)
```

# The way we go about providing radio service in rural areas. Vest. eviasi 15 no.7122-23 Jl '55. 1. Hachal'nik Thar'kovskoy ERTS. (Radio)

IVANOV, D.A.; KUZMETSOV, O.I.; ZAKHAROV, A.N., insh.; KLYUCHEV, V.H.;

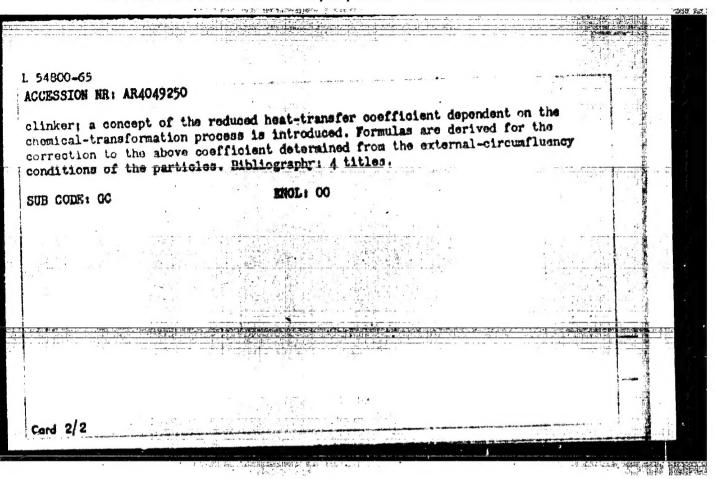
Replies to S.M.Ilkushev's article "Mhat we expect from industry."

Vest. svinzi 22 no.10:25-26 0 '62. (MIRA 15:11)

1. Nachal'nik Leningradskoy oblastnoy direktsii radiotranslyatsionnoy seti (for Ivanov). 2. Starshiy insh. vnutrirayonnoy svyazi Tomskoy kontory svyazi (for Kusnetsov). 3. Nachal'nik laboratorii Gor'kovskoy oblastnoy direktsii radiotranslyatsionnoy seti (for Klyuchev).
4. Nachal'nik Khar'kovskoy direktsii radiotranslyatsionnoy seti (for Kitov).

(Electric equipment industry)
(Radio—Equipment and supplies)
(IAkushev, B.M.)

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L 54800-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/EMG(m)/EP	PR/ENP()) Pc-4/Px-4/Ps-4/	
Pu-4 JD/WW/RM ACCESSION HR: AR4049250 8/0196/64/000/0 536.24	008/0010/0011	
SOURCE: Ref. th. Elektrotekhnika i energetika, Abs. 8060	-//	
AUTHOR: Kudryashev, L. I. Kitov, R. M.		
TITLE: Reduced heat-transfer coefficient under the condition problem and with an allowance for chemical transformations	ons of an external	1
CITED SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 15, ch. 2	2, 1963, 191-196	
TRANSLATION: In some chemical-engineering processes associate particles, under external circumfluency conditions (e.g., the heat-transfer coefficient to the particles may be high constants which determine the rate of reaction. In this consistence of the material in the chemical transformation so by the time of completion of the reaction, and the problem such processes becomes an internal problem primarily determined the processes of dissociation of limestone and for the processes of dissociation of limestone and for the processes.	ated with the heating of in a suspension state), as compared with the nuection, the time of one is largely determined of heat exchange in mined by the rate of n time is presented	
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ACC NR. AT6003086 SOURCE CODE: UR/3181/63/000/015/0191/019	6 14
AUTHOR: Kudryashev. L.I. (Professor, Doctor of technical sciences);	B+1
Kitov, R.N.	
ORG: None	
TITLE: The reduced heat transfer coefficient under the conditions of the external problem, taking chemical transformations into account	<b>£</b>
gourges, Kuyhyshey, Aviatsionnyy institut. Trudy, no. 15, pt. 2, 190	<b>J.</b>
conference on problems of the mechanics of liquid and gas), 191-190	
TOPIC TAGS: convective heat transfer, chemical reaction, heat of disconstion, heat transfer coefficient, lime	, <b>"</b> "
ABSTRACT: The article is an attempt to determine the reduced heat transfer coefficient for the process of the dissociation of limesto and for the process of sintering clinker minerals. Pollowing a material development, the article arrives at the following expression of the reduced heat transfer coefficient for the dissociation of	ine the- on
limestone:	
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 $\mathbf{1}_{n} = \frac{q \cdot d \cdot \gamma_{n} \cdot K}{\frac{2}{100 \cdot 10^{-10}}} \qquad (12)$ 

where  $\alpha_n$  is the reduced heat transfer coefficient (taking into account the mechanism of dissociation), kcal/m²-hr-°C; q is the total amount of heat expended in heating the material and in the dissociation; d is the mean particle diameter of the material, m; YH is the density of the material, kg/m³; K is a reaction rate constant;  $\Delta t$  is the mean logarithmic temperature difference; q<sub>0</sub> is the amount of heat necessary for completion of the dissociation reaction, kcal; and, r is the heat of dissociation of limestone, kcal/kg. Further calculation yields an expression for the desired correction, that is, the coefficient taking into account the dissociation of the limestone:

 $1 = \frac{q \cdot d \cdot \gamma_u \cdot \overline{R}}{18a_0 \Delta t} \sqrt{\frac{q_0}{t}}.$  (16)

A similar calculation is carried through for the sintering of clinker materials. It is concluded that chemical transformations basically change the heat transfer problem. Oalculation of heat transfer in this case must take into account the reduced heat transfer coefficient,

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